

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY DKT NO. 7340-012		SERIAL NO. 10/798,088	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					APPLICANT Higgins		FILING DATE March 11, 2004	
					GROUP 1793			
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CL.	SUBCL.	FILING DATE IF APPROP.	
	A	3,105,540	10/1963	Hardgrove	431	9		
	B	3,528,797	09/1970	Funk, et al.	71	39		
	C	3,565,575	02/1971	Warshaww, et al.	23	2		
	D	3,773,897	11/1973	Fields, et al.	423	235		
	E	3,847,564	11/1974	Marion et al.	48	95		
	F	3,860,384	01/1975	Vulliet et al.	431	4		
	G	3,900,554	08/1975	Lyon	423	235		
	H	3,970,739	07/1976	Shiraishi et al.	423	23S		
	I	4,021,188	05/1977	Yamagishi et al.	431	158		
	J	4,029,752	06/1997	Cahn	423	563		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NO.	DATE	COUNTRY	CL.	SUBCL.	TRANSLATION	
							YES	NO
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	K	4,039,446	08/1977	Ban et al.	210	688		
	L	4,080,423	03/1978	Smith et al.	423	210		
	M	4,089,639	05/1978	Reed et al.	431	211		
	N	4,119,702	10/1978	Azuhata et al.	423	235		
	O	4,150,631	04/1979	Frey et al.	110	186		
	P	4,154,581	05/1979	Nack et al.	48	197R		
	Q	4,173,454	11/1979	Heins	44	522		
	R	4,196,057	04/1980	May et al.	205	775.5		
	S	4,208,386	06/1980	Arand et al.	423	235		
	T	4,213,944	09/1980	Azuhata et al.	423	235		
	U	4,294,178	10/1981	Borio et al.	110	347		
	V	4,318,718	03/1993	Carver et al.	110	347		
	W	4,375,949	03/1983	Salooja	431	7		
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	X	4,381,718	05/1993	Carver et al.	110	347		
	Y	4,469,050	09/1984	Korenberg	122	4D		
	Z	4,502,633	03/1985	Saxon	239	422		
	AA	4,504,211	03/1985	Beardmore	44	604		
	BB	4,506,608	03/1985	Strohmeyer, Jr.	110	245		
	CC	4,507,075	03/1985	Buss et al.	421	115		
	DD	4,507,269	03/1985	Dean et al.	423	235		
	EE	4,565,137	01/1986	Wright	110	264		
	FF	4,584,948	04/1986	Syred et al.	110	264		
	GG	4,624,840	11/1986	Dean et al.	423	235		
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	HH	4,627,965	12/1986	Hegemann et al.	423	242		
	II	4,672,900	06/1987	Santalla et al.	431	9		
	JJ	4,704,084	11/1987	Liu et al.	431	7		
	KK	4,751,065	06/1998	Bowers	423	235		
	LL	4,777,024	10/1988	Epperly et al.	423	235		
	MM	4,780,289	10/1988	Epperly et al.	223	235		
	NN	4,809,910	09/1998	Svendssen	110	235		
	OO	4,824,441	04/1989	Kindig	44	604		
	PP	4,873,930	10/1989	Egense et al.	110	345		
	QQ	4,962,711	10/1990	Yamauchi et al.	110	347		
	RR	4,978,514	12/1990	Hofmann et al.	423	235		
	SS	5,017,347	05/1991	Epperly et al.	423	235		
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	TT	5,032,154	07/1991	Wright	422	109		
	UU	5,048,432	09/1991	Hofmann et al.	110	345		
	VV	5,052,921	10/1991	Hemsath	423	121		
	WW	5,105,747	04/1992	Khinkis et al.	110	345		
	XX	5,139,754	08/1992	Luftglass et al.	423	235		
	YY	5,146,858	09/1992	Tokuda et al.	110	261		
	ZZ	5,240,404	08/1993	Hemsath et al.	431	9		
	AAA	5,261,602	11/1993	Brent et al.	239	132.3		
	BBB	5,286,467	02/1994	Sun et al.	423	239.1		
	CCC	5,310,334	05/1994	Spiros	431	5		
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DDD	5,336,081	08/1994	Saito et al.	431	190			
EEE	5,345,883	09/1994	Panos	110	345			
FFF	5,536,482	07/1996	Diep et al.	423	235			
GGG	5,489,419	02/1996	Diep et al.	423	235			
HHH	5,585,081	12/1996	Chu et al.	423	239.1			
III	5,690,039	11/1997	Monroe et al.	110	264			
III	5,707,596	01/1998	Lewandowski et al.	423	235			
KKK	5,728,357	03/1998	von Harpe	423	239.1			
LLL	5,853,684	12/1998	Fang et al.	423	244.1			
MMM	5,854,173	12/1998	Chang et al.	502	417			
NNN	6,019,068	02/2000	Tsuo et al.	122	4D			
OOO	6,042,371	03/2000	Mitani et al.	431	215			
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	PPP	6,109,911	08/2000	Tamminen et al.	431	4		
	QQQ	6,190,628	02/2001	Carter	422	168		
	RRR	6,213,032	04/2001	Breen et al.	110	345		
	SSS	6,230,664	05/2001	Janka et al.	112	4D		
	TTT	6,280,695	08/2001	Lissianski et al.	423	239.1		
	UUU	6,357,367	03/2002	Breen et al.	110	345		
	VVV	6,398,039	06/2002	Xue et al.	210	504		
	WWW	6,485,289	11/2002	Kelly et al.	431	4		
	XXX	6,5427,828	03/2003	Flippo et al.	95	54		
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EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CL.	SUBCL.	FILING DATE IF APPROP.	
YYY	6,532,905	03/2003	Belin et al.	122	4D		
ZZZ	6,818,043	11/2004	Chang et al.	95	37		
AAAA	6,953,494	10/2005	Nelson, Jr.	95	134		
BBBB	7,335,014	02/2008	Higgins	431	4		
CCCC	2003/011948	06/2003	Gaita et al.	96	108		
DDDD	2004/0045437	03/2004	Chang et al.	95	134		
EEEE	2004/1020872	06/2004	Fan et al.	423	239.1		
FFFF	2004/0185399	09/2004	Moberg	431	4		
GGGG	2004/0185402	09/2004	Moberg	431	9		
HHHH	2004/0185401	09/2004	Moberg	431	9		
IIII	2004/0253161	12/2004	Higgins	423	235		

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JJJJ	2005/0000901	01/2005	Campbell et al.	210	660			
KKKK	2005/0002841	01/2005	Moberg	423	235			
LLLL	2005/0013755	01/2005	Higgins	423	235			
MMMM	4,325,924	04/1982	Arand et al	423	235			
NNNN	4,842,834	06/1989	Burton	423	235			
OOOO	4,915,036	04/1990	DeVita	110	215			
PPPP	4,927,612	05/1990	Bowers	423	235			
QQQQ	4,962,711	10/1990	Yamauchi et al.	110	347			
RRRR	4,985,218	01/1991	DeVita	423	235			
SSSS	4,992,249	02/1991	Bowers	423	235			
TTTT	5,017,347	05/1991	Epperly et al.	423	235			
UUUU	5,057,293	05/1990	Epperly et al.	423	235			
VVVV	5,342,592	08/1994	Peter-Hoblyn, et al.	423	235			
www w	5,809,910	09/1998	Svendssen	110	235			
xxxx	6,315,551	11/2001	Salzieder et al.	431	183			
FOREIGN PATENT DOCUMENTS								
	DOCUMENT NO.	DATE	COUNTRY	CL.	SUBCL	TRANSLATION		
						YES	NO	
YYYY	DE28 37 156 A1	03/1979	Germany (see US 5,146,858)					
ZZZZ	WO 87/03507A1	06/1987	WIPO			X		
AAAA A	WO05/079305 A3	02/2005	WIPO			X		
BBBB B	EP 0287224 A2	10/1988	EPO			X		
CCCC C	JP2003021322	01/2003	Japan (English abstract only)					
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							YES	NO
	DDDD D	EP0936405	08/1999	EPO			X	
	EEEE E	EP0326943 A2	01/1989	EPO			X	
	FFFF F	GB 2 001 419 A	05/1978	UK			X	
	GGGG G	JP 53-112273	09/1978	Japan (see US 5,707,596)				

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